Status of the Claims

and

1. '(Original) A catheter comprising:

a catheter shaft having a proximal end and a distal end; an inflation balloon having a proximal waist portion and a distal waist portion;

a catheter tip having a proximal end, a distal end, a main shaft portion and a distal shaft portion, said catheter tip proximal end being coupled to said catheter shaft distal end, said balloon distal waist portion being attached to said catheter tip distal shaft portion; and said catheter tip main shaft portion being substantially coextensive with said balloon.

- 2. (Original) The catheter of claim 1, further comprising at least one marker.
- 3. (Original) The catheter of claim 2, wherein said marker is a radiopaque marker.
- 4. (Original) The catheter of claim 2, wherein said marker is an MRI marker.
- 5. (Original) The catheter of claim 1, wherein said catheter tip distal end comprises a radiused tip.
- 6. (Original) The catheter of claim 1, wherein said catheter tip further comprises a recessed portion.
- 7. (Original) The catheter of claim 1, wherein said catheter tip further comprises a hub portion.
- 8. (Original) The catheter of claim 7, wherein said catheter tip comprises a molded catheter tip and said hub portion is formed integrally with the catheter tip.
- 9. (Original) The catheter of claim 8, further comprising at least one marker.
- (Original) The catheter of claim 9, wherein said radiopaque marker is insert molded.
- 11. (Original) The catheter of claim 10, wherein an outer surface of said radiopaque marker is flush with an outer surface of said catheter tip.
- 12. (Original) The catheter of claim 1, further comprising a stiffener.
- 13. (Original) The catheter of claim 12, wherein the stiffener is a spring.
- 14. (Original) The catheter of claim 1, wherein said catheter tip further comprises a marker region.
- 15. (Original) The catheter of claim 1, wherein said catheter tip further comprises a first region and a second region, said first region having greater flexibility than said second region.

Application No. 10/767675 Page 3

Response To Restriction Requirement

- 16. (Original) The catheter of claim 15, wherein said second region comprises entrained stiffening fibers.
- 17. (Original) The catheter of claim 1, further comprising:

an outer catheter shaft;

- wherein said balloon proximal waist portion is coupled to said outer catheter shaft.
- 18. (Original) The catheter of claim 1, wherein said catheter tip is coupled to said catheter shaft by heat bonding.
- 19. (Original) The catheter of claim 1, wherein said catheter tip is coupled to said catheter shaft by radio-frequency welding.
- 20. (Original) The catheter of claim 1, wherein said catheter tip is coupled to said catheter shaft with an adhesive.
- 21. (Original) The catheter of claim 1, wherein the catheter is a stent delivery catheter.
- 22. (Original) The catheter of claim 21, further comprising a stent mounted about the balloon.
- 23. (Original) The catheter of claim 22, wherein the stent is an inflation expandable stent.
- 24. (Original) The catheter of claim 22, wherein the stent is a self-expanding stent.
- 25. (Original) The catheter of claim 1, wherein said catheter tip includes a shaped portion, the cross-section of the shaped portion having a plurality of sides.
- 26. (Original) The catheter of claim 25, wherein the shaped portion is triangular.
- 27. (Original) A catheter tip comprising:
 - a proximal free end, a distal free end and a length of at least 4 millimeters.
- 28. (Original) The catheter tip of claim 27, wherein said length is less than 70 millimeters.
- 29. (Original) The catheter tip of claim 27, wherein said length is at least 4 times its width.
- (Original) The catheter tip of claim 27, further comprising a recessed portion.
- 31. (Original) The catheter tip of claim 30, further comprising a second recessed portion.
- 32. (Original) The catheter tip of claim 27, further comprising a raised hub portion.
- 33. (Original) The catheter tip of claim 27, wherein said distal free end comprises a radiused tip.
- 34. (Original) The catheter tip of claim 27, further comprising at least one marker.
- 35. (Original) The catheter tip of claim 34, wherein said marker is an MRI marker.
- 36. (Original) The catheter tip of claim 34, wherein said marker is a radiopaque marker.
- 37. (Original) The catheter tip of claim 34, wherein said marker is insert molded.

PAGE 4/12 * RCVD AT 12/6/2006 12:09:03 PM [Eastern Standard Time] * SYR:USPTO-EFXRF-2/9 * DNIS:2738300 * CSID:952 563 3009 * DURATION (mm-ss):08-42

Application No. 10/767675 Page 4

Response To Restriction Requirement

- 38. (Original) The catheter tip of claim 37, wherein an outer surface of said marker is flush with an outer surface of the catheter tip.
- 39. (Original) The catheter tip of claim 34, wherein said marker comprises a hub portion.
- 40. (Original) The catheter tip of claim 27, further comprising a marker region.
- 41. (Original) The catheter tip of claim 27, further comprising a first region and a second region, said first region having greater flexibility than said second region.
- 42. (Original) The catheter tip of claim 41, wherein said second region further comprises entrained stiffening fibers.
- 43. (Original) The catheter tip of claim 27, further comprising:
 - a distal shaft portion; and
 - a balloon having a proximal waist portion and a distal waist portion;
- wherein said balloon distal waist portion is coupled to said catheter tip distal shaft portion.
- 44. (Original) The catheter tip of claim 43, wherein said balloon proximal waist portion is proximal to said catheter tip first free end.
- 45. (Original) The catheter tip of claim 43, wherein said balloon proximal waist portion is distal to said catheter tip first free end.
- 46. (Original) The catheter tip of claim 27, further comprising a stent mounted about said catheter tip.
- 47. (Original) The catheter tip of claim 46, wherein said stent is a self-expanding stent.
- 48. (Original) The catheter tip of claim 46, wherein said stent is an inflation expandable stent.
- 49. (Original) The catheter tip of claim 27, further comprising a shaped portion, the cross-section of the shaped portion having a plurality of sides.
- 50. (Original) The catheter tip of claim 49, wherein the shaped portion is triangular.
- 51. (Original) The catheter tip of claim 27, further comprising a stiffener.
- 52. (Original) The catheter tip of claim 51, wherein the stiffener is a spring.
- 53. (Original) A method of manufacturing catheter tip comprising:
- molding or extruding a catheter tip having a proximal end, a distal end and a feature selected from a group consisting of a hub portion, a recessed portion, a marker, a stiffener, a marker region and a fiber entrained region.

Application No. 10/767675

Response To Restriction Requirement

Page 5

- 54. (Original) The method of claim 53, further comprising insert molding at least one marker in the catheter tip.
- 55. (Original) The method of claim 53, wherein said catheter tip is further coupled to a catheter shaft by heat bonding.
- 56. (Original) The method of claim 53, wherein said catheter tip is further coupled to a catheter shaft by radio-frequency welding.
- 57. (Original) The method of claim 53, wherein said catheter tip is further coupled to a catheter shaft with an adhesive.